

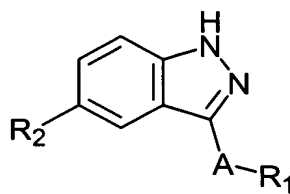
5 What is claimed is:

1. A stent comprising an effective amount of a JNK Inhibitor.

2. The stent of claim 1 having a coating comprising an effective amount of a JNK Inhibitor.

3. The stent of claim 1 comprising a material having an effective amount of a JNK
10 Inhibitor incorporated therein.

4. The stent according to claim 1, wherein the JNK Inhibitor has the following formula:



15 or a pharmaceutically acceptable salt, solvate or stereoisomer thereof,

wherein:

A is a direct bond, $-(CH_2)_a-$, $-(CH_2)_bCH=CH(CH_2)_c-$, or $-(CH_2)_bC \equiv C(CH_2)_c-$;

R₁ is aryl, heteroaryl or heterocycle fused to phenyl, each being optionally substituted with one to four substituents independently from R₃;

20 R₂ is -R₃, -R₄, $-(CH_2)_bC(=O)R_5$, $-(CH_2)_bC(=O)OR_5$, $-(CH_2)_bC(=O)NR_5R_6$,
 $-(CH_2)_bC(=O)NR_5(CH_2)_cC(=O)R_6$, $-(CH_2)_bNR_5C(=O)R_6$, $-(CH_2)_bNR_5C(=O)NR_6R_7$,
 $-(CH_2)_bNR_5R_6$, $-(CH_2)_bOR_5$, $-(CH_2)_bSO_dR_5$ or $-(CH_2)_bSO_2NR_5R_6$;

a is 1, 2, 3, 4, 5 or 6;

b and c are the same or different and at each occurrence independently 0, 1, 2, 3 or 4;

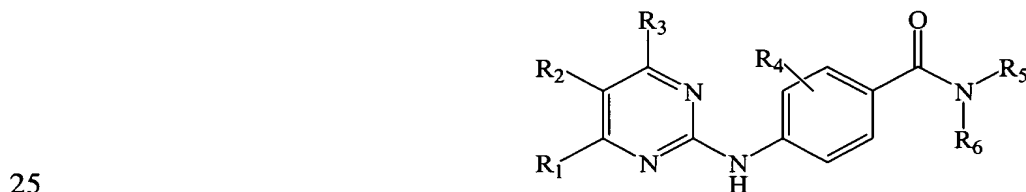
25 d is at each occurrence 0, 1 or 2;

5 R₃ is at each occurrence independently halogen, hydroxy, carboxy, alkyl, alkoxy,
haloalkyl, acyloxy, thioalkyl, sulfinylalkyl, sulfonylalkyl, hydroxyalkyl, aryl, substituted
aryl, arylalkyl, heterocycle, heterocycloalkyl, -C(=O)OR₈, -OC(=O)R₈, -C(=O)NR₈R₉,
-C(=O)NR₈OR₉, -SO₂NR₈R₉, -NR₈SO₂R₉, -CN, -NO₂, -NR₈R₉, -NR₈C(=O)R₉,
-NR₈C(=O)(CH₂)_bOR₉, -NR₈C(=O)(CH₂)_bR₉, -O(CH₂)_bNR₈R₉, or heterocycle fused to
10 phenyl;

R₄ is alkyl, aryl, arylalkyl, heterocycle or heterocycloalkyl, each being optionally
substituted with one to four substituents independently from R₃, or R₄ is halogen or
hydroxy;

15 R₅, R₆ and R₇ are the same or different and at each occurrence independently hydrogen,
alkyl, aryl, arylalkyl, heterocycle or heterocycloalkyl, wherein each of R₅, R₆ and R₇ are
optionally substituted with one to four substituents independently from R₃; and R₈ and R₉
are the same or different and at each occurrence independently hydrogen, alkyl, aryl,
arylalkyl, heterocycle, or heterocycloalkyl, or R₈ and R₉ taken together with the atom or
atoms to which they are bonded form a heterocycle, wherein each of R₈, R₉, and R₈ and
20 R₉ taken together to form a heterocycle are optionally substituted with one to four
substituents independently from R₃.

5. The stent according to claim 1, wherein the JNK Inhibitor has the following
formula:



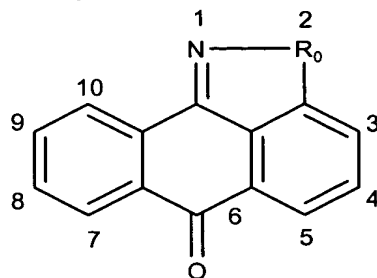
or a pharmaceutically acceptable salt, solvate or stereoisomer thereof,

wherein:

30 R₁ is aryl or heteroaryl optionally substituted with one to four substituents independently
from R₇;

- 5 R_2 is hydrogen;
- R_3 is hydrogen or lower alkyl;
- R_4 represents one to four optional substituents, wherein each substituent is the same or different and independently halogen, hydroxy, lower alkyl or lower alkoxy;
- R_5 and R_6 are the same or different and independently $-R_8$, $-(CH_2)_aC(=O)R_9$,
 10 $-(CH_2)_aC(=O)OR_9$, $-(CH_2)_aC(=O)NR_9R_{10}$, $-(CH_2)_aC(=O)NR_9(CH_2)_bC(=O)R_{10}$,
 $-(CH_2)_aNR_9C(=O)R_{10}$, $(CH_2)_aNR_{11}C(=O)NR_9R_{10}$, $-(CH_2)_aNR_9R_{10}$, $-(CH_2)_aOR_9$,
 $-(CH_2)_aSO_cR_9$ or $-(CH_2)_aSO_2NR_9R_{10}$;
- or R_5 and R_6 taken together with the nitrogen atom to which they are attached to form a heterocycle or substituted heterocycle;
- 15 R_7 is at each occurrence independently halogen, hydroxy, cyano, nitro, carboxy, alkyl, alkoxy, haloalkyl, acyloxy, thioalkyl, sulfinylalkyl, sulfonylalkyl, hydroxyalkyl, aryl, arylalkyl, heterocycle, heterocycloalkyl, $-C(=O)OR_8$, $-OC(=O)R_8$, $-C(=O)NR_8R_9$,
 $-C(=O)NR_8OR_9$, $-SO_cR_8$, $-SO_cNR_8R_9$, $-NR_8SO_cR_9$, $-NR_8R_9$, $-NR_8C(=O)R_9$,
 $-NR_8C(=O)(CH_2)_bOR_9$, $-NR_8C(=O)(CH_2)_bR_9$, $-O(CH_2)_bNR_8R_9$, or heterocycle fused to
 20 phenyl;
- R_8 , R_9 , R_{10} and R_{11} are the same or different and at each occurrence independently hydrogen, alkyl, substituted alkyl, aryl, arylalkyl, heterocycle or heterocycloalkyl;
- or R_8 and R_9 taken together with the atom or atoms to which they are attached to form a heterocycle;
- 25 a and b are the same or different and at each occurrence independently 0, 1, 2, 3 or 4; and
 c is at each occurrence 0, 1 or 2.

6. The stent according to claim 1, wherein the JNK Inhibitor has the following formula:



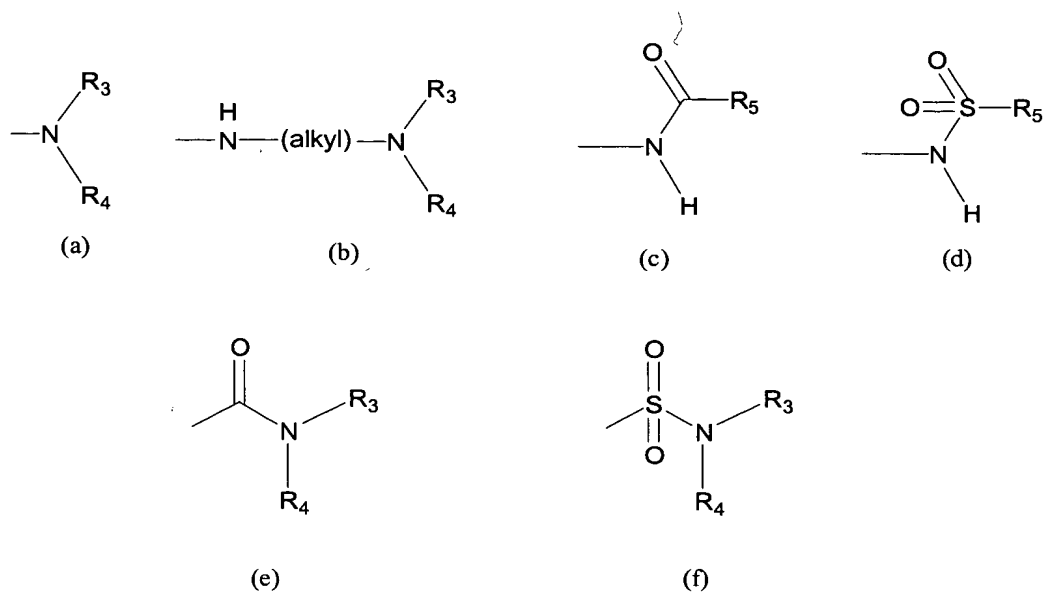
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or a pharmaceutically acceptable salt, solvate or stereoisomer thereof,

wherein R_0 is -O-, -S-, -S(O)-, -S(O)₂-, NH or -CH₂-;

the compound being (i) unsubstituted, (ii) monosubstituted and having a first substituent, or (iii) disubstituted and having a first substituent and a second substituent;

- 10 the first or second substituent, when present, is at the 3, 4, 5, 7, 8, 9, or 10 position, wherein the first and second substituent, when present, are independently alkyl, hydroxy, halogen, nitro, trifluoromethyl, sulfonyl, carboxyl, alkoxycarbonyl, alkoxy, aryl, aryloxy, arylalkyloxy, arylalkyl, cycloalkylalkyloxy, cycloalkyloxy, alkoxyalkyl, alkoxyalkoxy, aminoalkoxy, mono-alkylaminoalkoxy, di-alkylaminoalkoxy, or a group represented by
- 15 formula (a), (b), (c), (d), (e), or (f):



- 5 wherein R₃ and R₄ are taken together and represent alkylidene or a heteroatom-containing cyclic alkylidene or R₃ and R₄ are independently hydrogen, alkyl, cycloalkyl, aryl, arylalkyl, cycloalkylalkyl, aryloxyalkyl, alkoxyalkyl, aminoalkyl, mono-alkylaminoalkyl, or di-alkylaminoalkyl; and
- R₅ is hydrogen, alkyl, cycloalkyl, aryl, arylalkyl, cycloalkylalkyl, alkoxy, alkoxyalkyl, 10 alkoxycarbonylalkyl, amino, mono-alkylamino, di-alkylamino, arylamino, arylalkylamino, cycloalkylamino, cycloalkylalkylamino, aminoalkyl, mono-alkylaminoalkyl, or di-alkylaminoalkyl.
7. The stent according to claim 2 wherein the coating comprises a pharmaceutically acceptable carrier.
- 15 8. The stent according to claim 1 wherein the stent is a stent graft.
9. The stent according to claim 1 wherein the stent comprises a polymer.
10. The stent according to claim 9 in which the polymer is a polyamide, a polyester, a polystyrene, a polypropylene, a polyacrylate, a polyvinyl, a polycarbonate, a polytetrafluoroethylene, a polymethylmethacrylate, a polyethylene, a poly(ethylene 20 terephthalate), a polyalkylene oxalate, a polyurethane, a polysiloxane, a poly(dimethyl siloxane), a polycyanoacrylate, a polyphosphazene, a poly(amino acid), a ethylene glycol

- 5 I dimethacrylate, a poly(methyl methacrylate), a poly(2-hydroxyethyl methacrylate), a poly(HEMA), or a polyhydroxyalkanoate compound.
11. The stent according to claim 2 wherein the coating is a controlled-release coating.
12. A method for making the stent of claim 2, comprising the step of coating a stent with an effective amount of a JNK Inhibitor.
- 10 13. The method according to claim 12 wherein the stent is a stent graft.
14. The stent according to claim 3 wherein the material having an effective amount of a JNK Inhibitor incorporated therein allows for controlled-release of the JNK Inhibitor.
15. A method for making the stent of claim 3, comprising manufacturing a stent with
15 material having an effective amount of a JNK Inhibitor incorporated therein.
16. A method for treating or preventing a cardiovascular or renal disease in a patient, comprising implanting the stent of claim 1 into a patient in need thereof.
17. A method for treating or preventing atherosclerosis in a patient, comprising implanting the stent of claim 1 into a patient in need thereof.
- 20 18. The method of claim 16 further comprising surgical intervention.
19. The method of claim 17 further comprising surgical intervention.
20. The method of claim 18 wherein the surgical intervention involves percutaneous coronary intervention, revascularization, percutaneous transluminal coronary angioplasty, carotid percutaneous transluminal angioplasty coronary by-pass grafting or
25 coronary angioplasty with stent implantation.
21. The method of claim 18 wherein the surgical intervention involves renal angioplasty; peripheral percutaneous transluminal intervention of the iliac, femoral or popliteal arteries; or surgical intervention using impregnated artificial grafts.

- 5 22. The method of claim 16 wherein the stent is a stent graft.
23. The method of claim 17 wherein the stent is a stent graft.
24. The method of claim 20 wherein the implanting occurs prior to the administration
 of angioplasty.
25. The method of claim 20 wherein the implanting occurs during the administration
10 of angioplasty.
26. The method of claim 20 wherein the implanting occurs after the administration of
 angioplasty.
27. A kit comprising the stent of claim 1 and directions for its use.